



Health Services
LOS ANGELES COUNTY

August 29, 2007

Los Angeles County
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TO: Each Supervisor

FROM: Bruce A. Chernof, M.D.
Director and Chief Medical Officer

SUBJECT: **REQUEST TO AMEND INFORMATION
TECHNOLOGY SUPPORT SERVICES MASTER
AGREEMENT (ITSSMA) WORK ORDERS N05-0199
AND N06-0200 FOR TWO JUNIOR INTEGRATION
ENGINE PROGRAMMER CONSULTANTS FOR THE
DEPARTMENT OF HEALTH SERVICES**

Bruce A. Chernof, MD
Director and Chief Medical Officer

John R. Cochran III
Chief Deputy Director

Robert G. Splawn, MD
Senior Medical Director

This is to advise you of my intent to request the Internal Services Department (ISD) to amend ITSSMA Work Orders N05-0199 with Pro-Tem Solutions and N06-0200 with Global Services Resources, Inc., dba ComputerWorks Technologies, by extending the term and increasing the total maximum dollar amount. It is requested that each Work Order be extended through June 30, 2008 and increase the maximum amount of each Work Order by \$205,803. This added funding will increase the total cost of the two Work Orders to \$561,600. In accordance with ITSSMA Guidelines, prior Board notice is required for projects that will exceed \$300,000.

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BACKGROUND

The Department of Health Services (DHS or Department) – HSA Information Technology Data and Analytics Division – Enterprise Application Integration (EAI) Section is responsible for the development and implementation of HL7 interfaces for six County hospitals and their respective hospital and ancillary information systems, in addition to transmitting real-time patient data to populate the Enterprise Data Repository (EDR). Over the last three years, tremendous progress has been made in the manner in which patient data is transmitted and aggregated at an enterprise level for DHS. However, as technology has evolved and DHS is migrating from no longer supported legacy software to enterprise wide solutions with real time reporting, there is an ongoing need to develop additional interfaces for transmitting critical data within DHS.

SCOPE OF WORK

The Work Orders provide junior level consultants who will assist project managers in areas of "industry best-practices" solutions, EAI architecture, including providing recommendations for moving towards Service Oriented



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Architecture (SOA) and Enterprise Service Bus (ESB) models; and conversion of e*Gate to SUN Java Composite Application Platform Suite (JCAPS). Projects they will assist in supporting include the following:

- Migrate from e*Gate version 5.1 to SUN JCAPS version 5.1.2, which is a shift towards an open source industry standard for Java 2 Platform, Enterprise Edition.
- Implement the next generation of advanced integration concepts known as the ESB and SOA which will simplify complex messaging infrastructures and make valuable use of (patient) data while in transmission.
- Provide for a scalable, high availability, fault tolerant, and automatic fail-over integration engine solution for HSA, the new MetroCare Network, and six county hospitals.
- Provide Extraction, Transformation, and Loading (ETL) of the next phase of HL7 message structures such as orders, results reporting, financial, charges, and physician, dictionary updates between applications into the EDR.
- Provide ETL from the EDR for operational data mining for new Business Intelligence - Cognos reporting applications to provide executive management with decision making tools via dashboards which make use of real-time data updates.
- Support implementation of all enterprise hospital information systems and ancillary systems such as Pharmacy, Laboratory, Radiology PACS, and Cardiology requiring expert analysis of vendor specifications, recommendations on complex interdependent interfaces, testing, validation, auditing, performance measuring, and coding of logic; provide for standardization of integration architecture for hardware, operating systems, and application methodologies for interface implementations across DHS.

JUSTIFICATION

DHS has an extensive number of projects to complete in often compressed timeframes and does not have sufficient experienced staff to perform the required work. The Department continues its effort to attract comparably qualified permanent replacements within the allocation of budgeted items available to us. Although several exams have been administered, the results have not produced candidates with the information technology (IT) skills and experience required to perform these technically specialized functions. Additional higher level IT positions have been requested and approved in the Fiscal Year 2007-2008 DHS budget. However, DHS' ability to appropriately staff the department's IT projects is not only dependent on approval of the requested budgeted positions but also on successful recruitment efforts. Therefore, it is possible these contract resources might be required beyond June 30, 2008.

FINANCIAL IMPACT

These two Work Orders were competitively bid in June 2007 and initially executed for a

maximum Work Order amount of \$74,997 each. The maximum amount of the Work Orders will be increased as follows:

Work Order	FY 07-08	Grand Total
N05-0199	\$205,803	\$280,800
N06-0200	\$205,803	\$280,800
Total	\$411,606	\$561,600

The funds for this project are currently in the Fiscal Year 2006-2007 Health Services Administration operating budget and have been requested and approved in the Fiscal Year 2007-2008 budget.

CLOSING

Consistent with ITSSMA policies and procedures, we are informing your Board of our intention to amend these Work Orders. On September 21, 2007, we will instruct ISD to proceed with the execution of the Work Order amendments.

If you have any questions or require additional information, please let me know.

BAC:gc

c: Chief Executive Officer
County Counsel
Executive Officer, Board of Supervisors
Chief Information Officer
Director, Internal Services Department

NOTED AND APPROVED:


Jon W. Fullinwider
Chief Information Officer

9-6-07
Date